APPLIED STATISTICS

Graduate Degree Requirements

Upon admission to the program, students will be allowed to select the thesis or non-thesis track for the MS in Applied Statistics or the Certificate option. The thesis option replaces one of the elective classes and STA531 with a six-credit thesis, to be initiated after the completion of STA 505 and STA 506.

Non-thesis option:

One course in each:

_____STA 505 (3) Mathematical Statistics I

_____STA 506 (3) Mathematical Statistics II

_____STA 507 (3) Introduction to Categorical Data Analysis

_____STA 511 (3) Introduction to Statistical Computing and Data

Management

_____STA 512 (4) Principles of Experimental Analysis

_____STA 513 (4) Intermediate Linear Models

_____STA 514 (3) Modern Experimental Design

_____STA 531 (3) Advanced Topics in Applied Statistics

Two 3-credit electives from STA531-STA534

or

One 3-credit elective from STA531-STA534 and

STA601: Internship in Applied Statistics.

Thesis option:

One course in each:

STA 505 (3) Mathematical Statistics I

STA 506 (3) Mathematical Statistics II

STA 507 (3) Introduction to Categorical Data Analysis

STA 511 (3) Introduction to Statistical Computing and Data Management

STA 512 (4) Principles of Experimental Analysis

STA 513 (4) Intermediate Linear Models

STA 514 (3) Modern Experimental Design

STA 609 (3-6) Thesis I

STA 610 (3-6) Thesis II

One 3-credit electives from STA531-STA534

or

STA601: Internship in Applied Statistics.

Certificate option:

One course in each:

STA 507 (3) Introduction to Categorical Data Analysis

STA 511 (3) Introduction to Statistical Computing and Data Management

STA 512 (4) Principles of Experimental Analysis

STA 514 (3) Modern Experimental Design

Two 3-credit electives from a selected area of concentration.